

POWERED BY: Dialog

Conversation mode data system for control in factories - uses AC mains supply network as data bus for HF signals (NL290377)

Patent Assignee: ZELLWEGER USTER AG

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
DE 2623699	A	19770331				197714	B
NL 7607898	A	19770329				197715	
FR 2326087	A	19770527				197726	
CH 589979	A	19770729				197734	
US 4097692	A	19780628				197835	
CS 7606195	A	19800530				198032	

Priority Applications (Number Kind Date): CH 7512474 A (19750925)

Abstract:

DE 2623699 A

The conversation-mode data exchange system controls separate but related production areas in textile manufacturing plant. It links processing stages to a central control unit by conversational-mode time multiplexing. To avoid laying special cables, the system makes use of the existing AC mains power supply network by transmitting modulated 50-200 kHz signals.

The mains supply is therefore used as a data bus. With phased AC supplies, the HF signal is coupled in between a phase line and neutral conductor or earth. By suitable coding of signals the central control can be made available to receive information from specific substations.

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